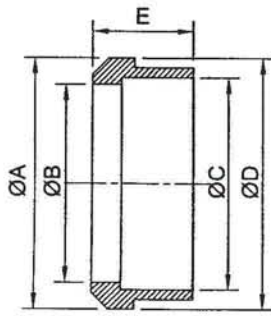
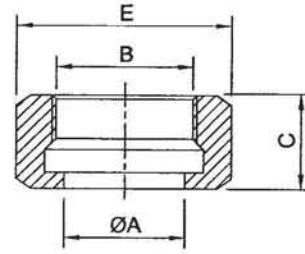


Unit: mm



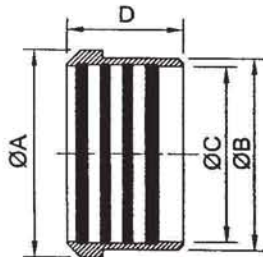
3A Recessless Liner

SIZE	ΦA	ΦD	ΦC	ΦB	E
1.0"	33.3	29.5	25.5	22.2	19.1
1.5"	46.8	42.6	38.2	34.9	22.2
2.0"	60.3	55.7	50.9	47.6	24.6
2.5"	73.8	68.8	63.6	60.3	27
3.0"	87.3	81.9	76.3	73	28.6
4.0"	114.3	108.1	101.7	97.6	31.8



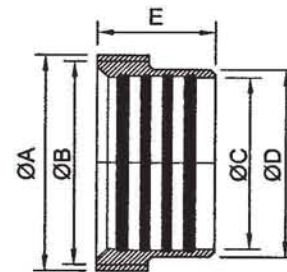
3A Hexagonal Nut 3A-13H

SIZE	ΦA	B	C	E
1.0"	30.3	38.02 ACME 8TPI	23	46
1.5"	43.4	51.54 ACME 8TPI	24.6	61.1
2.0"	56.5	65.05 ACME 8TPI	27	76.2
2.5"	69.6	78.56 ACME 8TPI	29.6	91.3
3.0"	82.7	92.08 ACME 8TPI	32.5	106.4
4.0"	108.9	120.14 ACME 6TPI	38.1	137.6



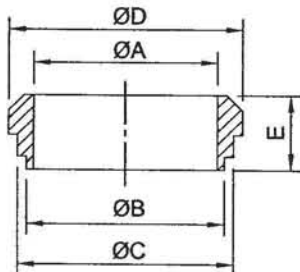
3A Recessless Liner

SIZE	ΦA	ΦD	ΦC	D
1.0"	33.3	29.5	25.5	19.1
1.5"	46.8	42.6	38.2	28.6
2.0"	60.3	55.7	50.9	33.3
2.5"	73.8	68.8	63.6	34.9
3.0"	87.3	81.9	76.3	36.5
4.0"	114.3	108.1	101.7	38.1



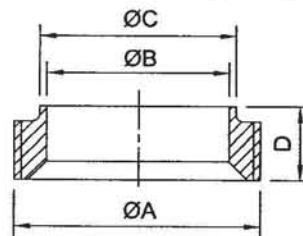
3A Recessless Male

SIZE	ΦA	ΦB	ΦD	ΦC	E
1.0"	37.13 ACME 8TPI	33.45	29.5	25.5	20.6
1.5"	50.65 ACME 8TPI	46.96	42.6	38.2	28.6
2.0"	64.17 ACME 8TPI	60.48	55.7	50.9	34.9
2.5"	77.67 ACME 8TPI	73.99	68.8	63.6	38.1
3.0"	91.19 ACME 8TPI	87.5	81.9	76.3	41.3
4.0"	119.25 ACME 6TPI	114.53	108.1	101.7	41.3



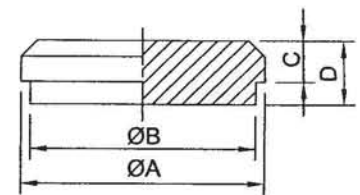
3A Short Bevel Seat Weld Liner 3A-14PRF

SIZE	A	B	C	D	E
1.0"	22.1	25.4	29.5	33.3	18.3
1.5"	34.8	38.1	42.6	46.8	18.3
2.0"	47.5	50.8	55.7	60.3	19.1
2.5"	60.2	63.5	68.8	73.8	22.3
3.0"	72.9	76.2	81.9	87.3	23.1
4.0"	97.6	101.6	108.1	114.3	26.2



3A Short Bevel Seat Weld Male 3A-15TRF

SIZE	A	B	C	D
1.0"	37.13 ACME 8TPI	22.1	25.4	18.3
1.5"	50.65 ACME 8TPI	34.8	38.1	18.3
2.0"	64.17 ACME 8TPI	47.5	50.8	19.1
2.5"	77.61 ACME 8TPI	60.2	63.5	22.2
3.0"	91.19 ACME 8TPI	72.9	76.2	23.1
4.0"	119.25 ACME 6TPI	97.6	101.6	26.2



3A-16A

SIZE	A	B	C	D
1.0"	33.3	29.5	7.9	11.9
1.5"	46.8	42.6	8.7	14.3
2.0"	60.3	55.7	10.3	15.9
2.5"	73.8	68.8	11.1	16.7
3.0"	87.3	81.9	11.9	18.3
4.0"	114.3	108.1	14.3	20.6